

Investigation of Deuterium in the Sun, by
A. B. Severny.

RUSSIAN, per, Izvest Krymsk Astrofis
Observ, Vol XVI, 1956, pp 12-44.
54A 62-33205
NASA TP F-8169

Sci - Astron
14 Jun 62
US GOV'T USE ONLY

201, 201

Luminescence of the Lunar Surface and the
Intensity of the Solar Corpuscular Radiation, by
N. A. Kozyrev,

RUSSIAN, per, Iz Krymskoy Astrofiz Observat,
Vol XVI, 1956, pp 145-158.

JPLAI/Trans No 18

Sci FDD X-4596/68, 432
Sep 61

Concerning N. A. Kozyrev's Article
"Explanation of the Color of Mars by the
Spectral Properties of its Atmosphere"
by G. A. Tikhov.
RUSSIAN, per, Izvestiya Akad Nauk SSSR
Krymskaya Astrofizicheskaya Observatoriya,
Vol 16, 1956, pp 159-161.
OTS TT-64-11838

Sci-E Sci
Jul 66

306,429

Large-Scale Movements in the Subphotospheric
Layers of the Sun, by V. E. Stepanov, M. A.
Kliakotko, 20 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Krymskaya Astro
Observatoriya, Vol 8VI, 1956, pp 80-99.

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Geophysics

Aug 60

121, 361

The Luminescence of the Lunar Surface and the
Intensity of Solar Corpuscular Radiation, by
N. A. Mozyrev, 10 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Krymskaya
Astrofizicheskaya Observatoriya, Vol XVI, 1957,
pp ~~146-158~~ 146-158.

CIA/FDD X - 4596
Amer Meteorol Soc
AF Cambridge Res Center

Sci - Geophysics

107,629

Feb 60

Investigation of the Fine Structure of the
Emission in Active Regions of the Sun, and
Non-stationary Processes, by A. B. Severyni,
46 pp.

RUSSIAN, por, Iz Krymskoy Astrofiz Observ,
Vol XVII, 1957, pp 129-161.

Amer Meteorol Soc
AF Cambridge Res Center

Hed - Astrem

106,288

Jem 60

Determination of the "Quiescent" Atmosphere, by
I. N. Odintsova, 9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Krymskaya
Astronomicheskaya Observatoriya, Vol XVII,
1957, pp 232-241.

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Geophysics

OTS 61-19009
107583

Feb 60

Some Properties of the Martian Atmosphere
Indicated by Spectrophotometric Observa-
tions of 1956, by N. A. Kozyrev.
RUSSIAN, per, Izvestiya Akad Nauk SSSR
Krymskaya Astrofizicheskaya Observatoriya,
Vol 18, 1958, pp 61-65.
OTS TT-64-11825

Sci-E Sci'
Jul 66

306,428

The Absorption Coefficient of Atoms in the Reverse Zeeman Effect With Arbitrary Direction of Magnetic Field,
by V. Yu. Stepanov, 21 pp.

KUBSIAK, per, In Krymskay Astronomicheskay Observ, Vol XVIII,
1958, pp. 135-150, 9211930.

NLL Reg: 97319 1963 (110) (LOAN)

NASA TT Y-110

OTS 63-11687

Sci - Earth Sci & Ast.
Sep 63

344,011

The Solar Magnetograph of the Crimean
Astrophysical Observatory, by N. S. Kibulin,
A. B. Savarnyi, V. R. Stepanov, 19 pp.

9.

RUSSIAN, per, Iz Krymskoy Astrofiz Observ,
Vol XIX, 1958, pp 3-19.

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Astron

106,284

Jan 60

On the Theory of the Formation of Absorption Lines in
a Magnetic Field and the Profile of Fe 6173 Å in the
Solar Sunspot Spectrum, by V. E. Stepanov.

RUSSIAN, per, In Krymskoy Astrofiz. Obser., Vol XIX,
1958, pp 20-45. 9661821.

ATIC MCL 187/1

Sci - Astron
Jun 61

155 496

The Hydrogen Spectrum of Mizar, by T. V.
Kazachkovskaya, A. B. Sevarnyi, 25 pp.

RUSSIAN, per, Iz Krymskoy Astrofiz Obser,
Vol XIX, 1958, pp 46-71.

Amer Meteoro! Soc
AF Cambridge Res Center

Sci - Astron

Jun 60

106,283

The Excitation and Ionization of Hydrogen in Flares,
by A. B. Severyni, 30 pp.

RUSSIAN, per, Iz Krymskoy Astrofiz Observ, Vol XIX,
1958, pp 72-99.

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Astron

Jem. 60

106,286

The Relationship Between Chromospheric
Flares and Magnetic Fields of Sunspot
Groups, by V. Bumba, 12 pp.

RUSSIAN, per, Iz Krymskoy Astrofiz Observ,
Vol XIX, 1958 pp 105-114.

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Astron

Jun 60

106, 279

The Behavior of the Ionosphere During Solar Flares,
by N.A. Savich.

RUSSIAN, per., Iz Krymkoj Astrofiz Obser, Vol XIX,
1958, pp.126-139. 9661821.

ATIC MCL 487/1

Sci - Astron
Jun 61

155, 497

Concerning the Relationship Between Solar
Flares and Phenomena in the Lower Ionosphere,
by N. N. Teryushev, Yu. I. Meshpor, 17 pp.

RUSSIAN, per, Iz Krymskoy Astrofiz Obs, 1958,
Vol. XX, pp 12-21. 966294

AMIC MCL-488/1

Sci - Astron

Sci - Astron

Jul 61

159,257

The Appearance of Flares in Neutral Points
of the Solar Magnetic Field, and the Pinch-
Effect, by A. B. Severnyi, 37 pp.

RUSSIAN, per, Iz Krymskoy Astrofiz Observ,
Vol XX, 1958, pp 22-51.

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Astron

Jan 60

106,280

Local Magnetic Fields, fine Chromospheric
Structure and Filaments in E_a, by V. E. Stepanov,
23 pp.

RUSSIAN, per, Iz Krymskoy Astrofiz Observ, Vol XX,
1958, pp 52-66.

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Astrom

Jan 60

106, 278

Profiles of the H and K Ca II Lines in a Flare
Spectrum, by T. V. Kazachekaya, 7 pp.

RUSSIAN, per, Iz Krymkoj Astrofiz Observ,
Vol XX, 1958, pp 80-85.

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Astron

106,277

Jem 60

THE EQUIVALENT WIDTHS OF ABSORPTION LINES IN THE
SPECTRA OF 109 O5-B7 STARS, BY I. M. KOPYLOV.

RUSSIAN, PER, IZ KRYMSKOI ASTROFIZ OBSERV,
VOL XX, 1958, PP 123-155.

NLL RTS 2063

SCI - ASTRON

OCT 62

214,753

A Two Dimensional Quantitative Spectral Classification of 238 O5-B7 Stars and the Construction of a Spectral-Type Magnitude Diagram, by I. M. Konyarov.

RUSSIAN, per, Iz Krimskoy Astrofiz Observ,
Vol XX, 1958, pp 156-206.

NLL RTS 2064

Sci - Earth Sci & Astron
Mar 63

226, 645

The Brightness of Fioeculi, Magnetic Fields and
Mechanisms of Heating, by V. E. Stepanov,
N. N. Petrova.

RUSSIAN, par, Iz Krym Astrofiz Obser, Vol XXI,
1959, pp 152-179.

MLL RFB 2110

Sci - Astron
Mar 63

223,609

At Cambridge Research Laboratories
(9695507)

<p>Steshenko, N. V. DETERMINATION OF THE MAGNETIC FIELDS OF SOLAR GRANULES (Ob Opredelenii Magnitnykh Polei Solnechnoi Granulyetiki) tr. by M. Slade. [1961] [13]p. (foreign text included) 2 refs. [CSIRO] Trans. no. S154. Order from OTS or SLA \$1.60 61-19680</p> <p>Trans. of Akademii Nauk SSSR, Krymskaya Astrofizicheskaya Obaervatoriya, Izvestiya, 1959, v. 22, p. 49-55.</p> <p>DESCRIPTORS: *Magnetic fields, Determination, Sun. Particles, Spectrographic analysis, Solar spectrum, Solar atmosphere.</p> <p>The results of an attempt to determine the magnetic fields of granules in undisturbed solar regions are given. Both components of the Zeeman splitting were photographed simultaneously, this giving a possibility of excluding the influence of the Doppler line shifts on the results of measurements. The precision of meas. (Astronomy--Astrophysics, TT, v. 6, no. 4) (over)</p>	<p>61-19680</p> <p>I. Steshenko, N. V. II. CSIRO Trans-S154 III. Commonwealth Scientific and Industrial Research Organization (Australia)</p> <p>177687</p> <p>Office of Technical Services</p>
---	---

<p>Nikulin, N. S. IMPROVEMENTS TO THE MAGNETOGRAPH OF THE CRIMEAN ASTROPHYSICAL OBSERVATORY (Nekotorye Issledovaniya Magnitografa Krymskoi Astrofizicheskoi Observatorii) tr. by M. Sinden. [1961] [12]p. (foreign text included) 3 refs. [CSIRO] Trans. 5155. Order from OTS or SLA \$1.60 61-23978</p> <p>Trans. of [Akademiya Nauk SSSR]. Krymskaya Astrofizicheskaya Observatoriya. Izvestiya, 1960, v. 22, p. 3-8.</p> <p>DESCRIPTORS: "Magnetic fields, Measurement, Instrumentation, Astronomical observatories.</p> <p>(Astronomy, TT, v. 6, no. 6)</p>	<p>61-23978</p> <p>I. Title: Magnetograph I. Nikulin, N. S. II. CSIRO Trans-5155 III. Commonwealth Scientific and Industrial Research Organization (Australia)</p> <p>145196</p> <p>Office of Technical Services</p>
--	--

An Investigation of Magnetic Fields Associated With Solar Flares, by A. B. Severnyy,
45 pp.

Russian Rep,
IZ Krymskoy Astrofiz Observatorii, Vol XXII,
1960, pp 12-41 9679272

FTD-TT-62-99

Sci-Geofiz, Astron
Dec 62

219,358

Determination of the Magnetic Field Gradient in the Solar
Photosphere, by V. Ye. Stepanov, 10 pp.
RUSSIAN, per, Izvestiya Krymskoy Astrofizicheskoy
Observatorii, Vol XXII, 1960, pp 42-48. 9219547

NLL/8231.9

NASA TT F-138

Sci - Earth Sci & Astron
Mar 64

250, 915

NLL Ref: 8231.9 1964 (138) (LOAN COPY)

The Motion of Ca⁺ in the Chromosphere and the
Connection of This Motion With Magnetic Fields,
by V. Stepanov,

RUSSIAN, per, Izvestiya Krymskaya Astrofizicheskaya
Observatoriya, Vol XXIII, 1960, pp 184-211

CSIRO/No 5721

Sci
Dec 62

A F Cambridge
9695542

Dependence of the Solar Magnetograph Readings on the Strength and Direction of the Field, by V. Stepanov,

RUSSIAN, per, Izvestiya, Krymskaya Astrofizicheskaya Observatoriya, No 23, pp 291-298, 1960.

CSIRO/No. 57120

Sci
Dec 62

Helium Emission of the Chromospheric Flare, of
14.9.1958.

Preprint per
Khizvestiya Krymskaya Astrofizicheskaya Observatoriya,
No 23, 1960, pp 322-330.

CSIRO/No. 5719

Sci
Dec 62

Magnetic enhancement of absorption lines,
by A. A. Boyarchuk, et al
RUSSIAN, per, Izvestiya Krymskoi Astrofizicheskoi
Observatorii, Vol 24, 1960, pp 52-77
MLL RIS 2800
(ON LOAN OR PURCHASE)

Sci - Astronomy & Astrophysics
May 67 325,851

Balance of Energy and Structure of the
Chromosphere, by E. Ye. Dubov,
RUSSIAN, per, Izv Krymsk Astrofiz Observ.,
Vol XXII, 1960, pp 101-117.
NASA TT F-8793

Sci-B. Sci
Aug 66

308,917

Atomic Absorption Coefficient in the Reverse
Zeeman Effect for Arbitrary Multiplicity, by
V. E. Stepanov.
RUSSIAN, per, Izvestiya Krimskoi Astronomicheskoi
Observatorii, 1960, Vol 24, pp 293-300.
HLL RPS 2801 (On Loan or Purchase)

Aug 65

288,836

Preparation and Dissipation of Waves in the
Chromosphere, by Ye. Dubov.
RUSSIAN, per, Izv Krym Astrofiz Obs, Vol 23,
1960, pp 362-368.
CSIRO No 9864

Sci-Astron & Astrophys

Feb 70

401,699

The Influence of a Magnetic Field on Motions in
Chromospheric Flares, by S. I. Gopasyuk.
RUSSIAN, per, Izvestiya Kriaskoi Astronomicheskoi Observatorii, Vol 25, 1961, pp 114-21.
NLL RTS 2802

Sci - Astron
Oct 67

342,712

Motions at Various Levels in the Sun's
"Atmosphere", by V. Stepanov.

RUSSIAN, per Krymskaya Astrofizicheskaya
Observatoriya, Vol XXV, 1961, pp 143-173.

CSIRO/No 612 6010

Sci- Earth Sci & Astron
Mar 63

The Ultraviolet Solar Spectrum in the Region
2470-3100 \AA , by V. P. Kachalov, A. V. Yakovleva, 46pp.

RUSSIAN, per, Izvestiya Krymskoi Astrofizicheskoi
Observatorii, Akad. Nauk, SSSR, Vol ~~XXVII~~, 1962,
pp 5-43. 9679997 XXVII.

*NRL

Naug Jr 3300/NRL 923

Sci
Jan 63

Mikxaxis

Ultraviolet Be I Lines in the Solar Spectrum, by
V. P. Kachalov, M. Z. Khokhlov. 13-10. 967777

RUSSIAN, per, Izvestiya Krymskoi Astrofizicheskoi
Observatorii, Akad. Nauk, SSSR, Vol CXXVII,
1962, pp 44-51. 967777

* NRL

Sci
Jan 63

May 30/1/NRL 924

He I Excitation in Chromospheric Flares, by
N. Steschenko, V. Khokhlova.
RUSSIAN, per, K Iz Krymskaya Astrofizicheskaya
Observatoriya, Vol XXVII, 1962, pp 120-139.
CSIRO/No 6541

Sci - Phys
Apr 64

253,364

The Structure of Magnetic Fields in an
Active Solar Region, by V. E. Stepanov
and S. N. Gopasyuk.
RUSSIAN, per, Izvestiya Krymskoj Astro-
fizicheskoy Observatoriy, 1962, Vol 28, No 1,
pp 194-223.
MLL RTS 2369 (On Loan or Purchase)

Aug 65

288,847

The Structure of the Magnetic Field in
Active Solar Regions, by V. Stepanov,
S. Gopasyuk. 38 pp

RUSSIAN, per, Iz Krymskaya Astrofiz Observ,
Vol XXVIII, 1962, pp 192-223.

CSIRO/No 6391
NHSA TTF-144 (9817301)
Sci-Earth Sci
245,059
Dec 63

The Atomic Absorption Coefficient of Light
With Mutually Perpendicular Polarization,
Taking Into Account Anomalous Dispersion
in the Presence of a Magnetic Field, by
V. Stepanov.

RUSSIAN, ver, Iz Krymskaya Astrofiz Observ,
Vol XIX, 1962, pp 252-258.

CSIRO/No 6296

Sci-Earth Sci & Astron

245, 058

Dec 68

Magnetic Rotation Effects in Spectral Lines,
by D. Rachkovskiy.

RUSSIAN, per, Iz Krymskaya Astrofiz Observ,
Vol XXVIII, 1962, pp 259-270.

CSIRO/No 6392

Sci-Earth Sci & Astron

Dec 63

245, 057

Nuclear Processes in Chromospheric Flares,
by B. M. Vladimirov, A. B. Severnyy, ^{Phys.},
RUSSIAN, per, Iz Krymskoy Astrofiz. Observ.,
Vol XXXIX, 1963, pp 80-83. 92 2173 3
NASA TT F-214
ML 6015.49 1964 (214) or 16201

Sci-Bar Sci & Astron
May 64

On the Possible Mechanism of Chromospheric
Flare Emission, by E. Ye. Dubov.
RUSSIAN, per, Izvestiya Krymskoy Astro-
filcheskoy Observatoriy, Vol 29, 1963,
pp 86-96.
NASA TT F-11,287

Sci-Astron
Jan 68

348,662

X-Ray Emission of Flares Originating Behind the
Solar Disk, by Yu. I. Vinogradov, N. N. Veryushev.
RUSSIAN, per, Iz Krymskoy Astrofiz Observ,
Vol XXIX, 1963, pp 141-145.
NASA TT F-8641

Sci - E S & Ast
May 64
U.S. GOVERNMENT ONLY

258,668

Investigation of the X-Ray Emission of Solar Flares
by the Radioastronomical Method, by Yu. I. Neshpor.
RUSSIAN, per, Iz Krysmkoy Astrofiz Observ,
Vol XXIX, 1963, pp 152-159.
NASA TT F-8644

AFC-AD-428086

Sci - E S & ast, Phys
May 64
U.S. GOVERNMENT ONLY

258,646

Solar Coronal Masses and the Interplanetary Medium,
by E. R. Muntel', 14 pp.
RUSSIAN, per, Izvestiya Krymskoy Astrofizicheskoy
Observatoriya, No 30, 1963, pp. 19-24.
JPRS 29977

USSR
Sci-Aerospace
May 65

279,787

Observations of Lunar Thermal Emission, by
N. P. Yesaulov, et al.
RUSSIAN, per, Izvestiya Krymskoy Astrofizicheskoy Observatorii, Vol 30, 1963, pp 273-283.
*FTL-MT-67-25

Sci/Space Technology
Aug 67

An Experimental Investigation of the Effects of
Rotation of the Polarisation Plane and Non-
magnetic Polarisation on the sun, by A. B.
Severnnyi.
RUSSIAN, per, Izvestiya Krymskoi Astrofizicheskoi
Observatorii, Vol 31, 1964, pp 126-158.
NLL RTS 2805

Sci - Phys
Sept. 67 340,381

New Features in the Circuit of the Magnetograph
of the Crimean Astrophysical Observatory of the
Academy of Sciences USSR, by N. S. Nikulin.
RUSSIAN, per, Izvestiya Krimskoi Astronomicheskoi
Observatorii, 1964, Vol 31, pp 209-215.
NLL RTS 2806 (On Loan or Purchase)

Aug 65

288,838

On the Presence of Oxygen in the Atmosphere of
Venus, by V. K. Prokof'yev.
RUSSIAN, per, Iz Ezhegodnika Krymsk Astrofiz Observ,
Vol XXXI, 1964, pp 276-280.
NASA TT F-8992

Sci-Bar Sci & Astron
Jan 65
U.S. GOVERNMENT ONLY
270,985

The Curve of Growth for Atmospheric
Absorption Bands of Molecular Oxygen,
by JI. S. Tibilov, V. E. Prokof'yev.
BUDILNIK, per., In Krymsk Astrophiz Observatory, V
Vol XXIII, 1964, pp 3-10.
MAIL 75 P-9644

Sci-NS/A
Apr 65

278,129

On the Relationship of X-Ray Emission
of Solar Flares With Their Effects in
Cosmic Rays, by E. N. Vlasiukov,
A. I. Panikarov.
BUREAU, per, Iz Krymsk Astronoz Observat,
Vol. XXII, 1904, pp 46-55.
IAACN ED F-9643

Sci-25/A
Apr 65

276,130

Ionospheric Effects of Proton and Non-Proton
Planes According to Observations at the Ionospheric
Station of the Crimean Aerophysical Observatory,
by Yu. L. Vinogradov.

UDISIAN, per, Ukraynsk Aerofiz Observ.
Vol XXXII, 1964, pp 67-75.
NASA TT F-9645

Sci-ES/A
May 65

280,208

Perspectives of Photon Count Application in the
Photo-Electric Tracking Systems Utilized in Astro-
nomy, by P. V. Tikhonov, et al.
RUSSIAN, per, Iz Drymek Astroniz Gheevr. Vol XXXII,
1960, pp 173-180.
NASA TT F-9647

Sci-Bk/A
May 65

280,197

Zoogeographical Characteristics of the Helminth Fauna
of Marine Mammals of the Boreo-Pacific Sub-Region, by
A. S. Skriabin, 59 pp.

RUSSIAN, per, Iz Krymskovo Pedagogicheskovo Inst Imeni
M. V. Frunze, Vol XXXI, 1958, pp 5-45.

Fisheries Research Board of Canada
Nanaimo Station

Sci

Feb 64

Effect of Aerodynamics and Design Parameters of
a Propeller on Propeller Noise, 13 pp.

Russian, per, Iz Leningrad Elektrotekh Inst,
Vol XXVIII, 1955, pp 106-119.

SIR 2872
Head Lib Sev Sec
Lib Con
Air Info Div
Sci- Aerodynamics, propellers

On a Method of Generating Electromagnetic Waves of Millimeter and Sub Millimeter Band, by K. I. Krylov,

RUSSIAN, per, Iz Leningrad Elektrotekh, No 34,
1958, pp 188-199.

*ATIC MCL-1039/1

Sci ...
May 61

c-958

On Multiplier Klystrons with Travelling Waves,
by A. D. Sushkov, 11 pp.

RUSSIAN, per, Leningrad. Elektrotekhnicheskiy
Institut. Izvestiya, No 48, 1963, pp 66-75.

F100186068-V

FTD-MT-67-16

Sci/Elect & Elect Engr
Sept 68

364,955

Allowance for Parabolic Antenna Phase Errors
Resulting from the Shift of the Dipole Out
of Focus, by O. G. Vendick, 8 pp.
RUSSIAN, per, Leningrad. Elektrrotekhnicheskiy
Institut, Izvestiya, No 48, 1963, pp 81-89.
P10026456B-V
FTD-HF-23-552-67

Sci/Elect
Oct 68

366,976

The Electromagnet of a Radiospectrometer
for Observation of Nuclear Magnetic and
Electron Paramagnetic Resonance, by
A. M. Sazonov, 11 pp.
RUSSIAN, per, Izvestiya Leningrad,
Elektrotekhnicheskiy Institut,
No 52, 1964, pp 141-150. P100070767
FD TT 65-1548

Sci-Phys
Mar 67

320,764

Methods of Statistical-Phytosociological
Analysis of Forest Associations, by
N. Konavalov, V. Povarnitsyn.

RUSSIAN, per, Iz Leningradskogo Lesnogo
Inst, No 35, 1927, pp 69-104.

CSIRO/No 6186

Sci-Agri

Aug 63

341, 959

The Catches of Small Kandalaksha River in
Spring 1929, by I. M. Gerasimov, 11 pp.

RUSSIAN, per, Iz Leningrad. Nauch.-Issled.
Izhtiolicheskogo Inst., Vol IX, No 2, 1931,
pp 42-50.

OTS 60-51149
PL-460

Sci - Biol

207, 692

Jul 62

PST 357

Effect of Systematic Application of Fertilizers on
Yields [of Field Crops] and Agrochemical Properties
of Soils, by S. V. Shcherba

RUSSIAN, per, in Leningrad Pochvovedeni Institut
Imeni V. V. Dokuchaeva Trudy Zybilochnoi sessii,
1949, pp 303-310. CIA D 432341

USSR
Scientific - Biology
Fertilizers

USDA

32,294

Mar 56

In Alloys With Several Phases, by
V. P. Borisov, V. M. Golikov, et al.
RUSSIAN, per, Iz Ak Nauk SSSR
Metallurgiya i Gornoje Delo, No 4,
1964, pp 147-152. P200135866
RSDU-604

Sci-Materials
Jan 67

317,550

BD 87-61

Acad. Vladimir N. Markov on the Occasion of his
75th Birthday, by Svetoslav Burdarov, (SF-2124).

BULGARIAN, per, Iz na Mikrobiol Inst, No 11, 1960,
pp 3-10.

*JPRS/Special

~~Soviet~~
USSR
Biog
8 Jan 62

Zhurbitkii, Z. I.
ON THE RESPONSIVENESS OF THE SUGAR BEET
TO FERTILIZATION WITH CARBON DIOXIDE. Pre-
liminary Communication. [1963] 30p. (figs. omitted)
29 refs.
Order from OTS or SLA \$2.60

63-16078

Trans. of [Moskovskaya] Sel'skokhoz[yaistvennaya]
Akad[emiya] Nauk[estiya] (USSR) 1928, no. 2, p. 427-444

DESCRIPTORS: *Beets, *Carbon dioxide, *Fertilizers,
Soils, Plants (Botany)

For abstract see Chemical Abstracts 25: 4962, 1931.

(Agriculture--Plant Cultivation, TT, v. 10, no. 11)

63-16078

I. Zhurbitkii, Z. I.

Office of Technical Services

Zhilinskii, V. A.
PROCESSING OF EXPERIMENTAL DATA ON OBSERVATIONS OF WATER ABSORPTION BY SOIL
(Obrabotka Opytnykh Materialov po Nabлюдениям за
Vpityvaniem Vody v Pochvogrunt). 1963, 12p.
PL-480 Agr.
Order from OTS \$0.50

63-11016

Trans. of [Moskovskaya] Sel'skokhozyaistvennaya
Akademiya, Izvestiya (USSR) 1956, no. 2(12)
p. 131-140.

DESCRIPTORS: Mathematical analysis, Water, *Absorption, *Soils, *Soil mechanics.

The purpose of the article is to clarify throughly the phenomenon of water absorption by soil and to establish the indices required for the solution of practical problems of soil reclamation. (Author)
(Agriculture--Plant Cultivation, TT. v. 10, no. 3)

63-11016

- I. Zhilinskii, V. A.
- II. PL-480 Agr (63-11016)
- III. National Science Foundation, Washington, D. C.

Office of Technical Services

The Methods of Studying the Growth of Absorbing Roots of Fruit Trees, by E. V. Kolesnikov.

RUSSIAN, per, Iz Moskov Selskokhoz Ak, No ., 1957, pp 51-60.

*PL-480

Sci
Jul 63

Rumyantsev, V. I.
AN EXPERIMENTAL STUDY OF THE AGROTECHNICAL ROLE OF FIELD -PROTECTIVE FOREST STRIPS (Opyt Izucheniya Agrotehnicheskoi Roli Polezashchitnykh Lesnykh Polos), 1961, 12p. 3 refs.
PL-480 Agr.
Order from OTS \$0.50

60-51004

Trans. of Moskovskaya Sel'skokhozyaistvennaya Akademiyai [Izvestiya (USSR)] 1958, no. 4 (23) p. 89-98

DESCRIPTIONS: *Agriculture, Plants, Trees, Forestry, *Fertility, Fertilizers, *Soils, *Moisture, Snow, *Erosion, Deserts, Water, Wind, Water entry.
Wind-penetrable shelter belts in the southeastern region contribute toward a more even distribution of
(Agriculture, TT, v. 7, no. 4)
(over)

60-51004

I. Rumyantsev, V. I.
II. PL-480 Agr (60-51004)
III. National Science Foundation,
Washington, D. C.

Office of Technical Services

Medvedev, Zn. A.
MODERN THEORIES OF PROTEIN SYNTHESIS IN
PLANTS. [1961] 19 p. 84 refs.
Order from OTS or SLA \$1.60 61-23031

Trans. of [Moskovskaya S[el'sko]khoz[ozyaistvennaya]
Akademiya]. Izvestiya (USSR) 1959, no. 2(27)
p. 57-74.

DESCRIPTORS: *Proteins, Synthesis, *Plants, Theory,
Nitrogen, Metabolism, Genetics.

61-2303:

I. Medvedev, Zh. A.
II. Translations, New York

(Biological Sciences--Botany, TT, v. 7, no. 12)

Office of Technical Services

Gunar, I. I. Sinyukhin, A. M. and others.
CHARACTERISTIC OF RESPONSIVE REACTIONS OF
PLANTS TO ELECTRICAL IRRITATIONS (Elektro-
fiziologicheskaya Kharakteristika Razdrazhimoosti
Rastenii. Soobshchenie 2. Kharakteristika Otvetnykh
Reaktsii Rastenii na Elektricheskie Razdrazheniya).
Rept. no. 2 of Electrophysiological Characteristics of
Irritability of Plants. 13 Nov 61, 26p. 20 refs.

Trans. A-1312.

Order from OTS or SLA \$2.60

62-13506

Trans. of [Moskovskaya Sel'skokhoz[vaistvennaya]
Akademika. Izvestiya (USSR) 1961, no. 2(39) p. 7-19.

DESCRIPTORS: "Plants, Cells (Biology) Tissues
(Biology) Metabolism, Excitation, Direct currents,
Intensity, *Electrical effects.

An ability is inherent in the tissues of higher plants to
pass into the state of excitation under the influence
(Biological Sciences--Botany, TT, v. 7, no. 12) (over)

62-13506

- I. Gunar, I. I.
- II. Sinyukhin, A. M.
- III. Title; Electro-
physiological...
- IV. Trans-A-1312

Office of Technical Services

Medvedev, Zh. A., and Khavkin, B. E.
A NEW GROUP OF BIOLOGICALLY IMPORTANT
COMPOUNDS (NUCLEOTIDE-PEPTIDES) (Nukleotid-
Peptidy -- Novaya Gruppa Biologicheskikh Vazhnykh
Soedinenii). 4 Jan 63, 40p. 108 refs. Trans. A-1385.
Order from OTS or SLA \$8.60 63-15461

Trans. of [Moskovskaya] Sel'skokhozyaistvennaya
Akademiya. Izvestiya (USSR) 1962, no. 2(45)
p. 188-189.

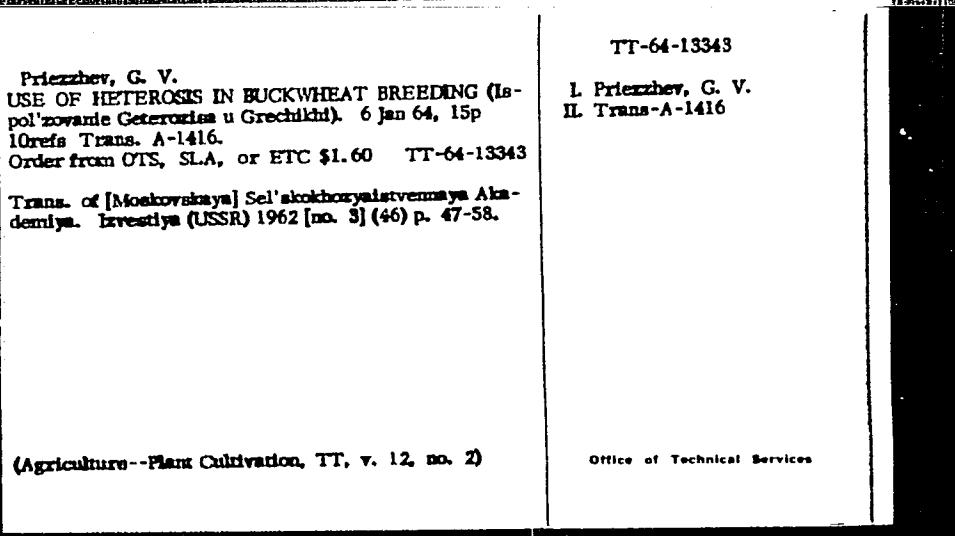
DESCRIPTORS: Biochemistry, *Nucleic acids, Cyto-
chemistry, *Nucleotides, *Peptides, Ribonucleic acids,
Synthesis Desoxyribonucleic acids.

(Biological Sciences--Biochemistry, TT, v. 9, no. 11)

63-15461

I. Medvedev, Zh. A.
II. Khavkin, B. E.
III. Trans-A-1385

Office of Technical Services



Biological and Ecological Studies of the Potato-Moth
Gnorimoschema (Phthorimaea) Operculella Zeller and
Means for its Control in Bulgaria, by M. Stanev,
A. Kajtazov.

RUSSIAN, per Izv. nauch. Inst. Yasht. Tast. No. 3,
pp 49-89
GB 59/AE & CIAET 1017

Sci -
Aug 67

338-522

Stability of Hydrotechnical Structures Built on
Permeable ~~Fm2~~ Soils, by R. N. Davidenkov, 29 pp.

RUSSIAN, per, Iz Nauchno-Issledovatel'skogo
Instituta Gidrotekh, Vol XIV, 1934, pp 195-209.

Sci Tr Center RT-259

Scientific - Engineering

10,157

Method of Unsteady Flow Computations Proposed
by N. M. Bernadskiy, as Applied to Flow
Caused by Instantaneous Destruction of Dams,
by B. V. Proskuryatov, 27 pp.

RUSSIAN, per, Iz Nauchno-Issledovatel' Inst
Gidrotekh, Vol XI, 1934.

Sci Tr Center RT-2893

Scientific - Engineering 30, 281
Jan 56 CTS/dex

Experimental Investigation of the Accuracy of
Elutriation Scales Used in Grain-Size Distribution
Analysis, by G. B. Arkhangel'skiy, 57 pp
UNCLASSIFIED

RUEGIAN, per, Iz Nauchno-Issledovatel Institut Gid,
Vol XV, 1935, pp 157-184.

Draft of 4/1
Sci Tr Center
RP-1068

Scientific - Geophysics

15, 351

Ground-Water Movement Under Slope Structures Equipped
With Drainage Openings, by N. T. Meleshchenko, 51 pp.

RUSSIAN, per, Iz Nauchno-Issledovatel' Instituta
Gidrotekh, Vol XIX, 1936, pp 25-48.

Scanned by Sci Tr Center RT-258
Sci Tr Center RT-258

Scientific - Engineering

10,160

Direct Current Institute Reports, by N. N.
Scherdrin, et al.

RUSSIAN, monograph, *Izvestya NII Postoyannogo*
Toka, 1957.

*PP